

Abstract of the Disclosure

5 Biodegradable neurotoxin implants and methods of making and using
such implants are provided. Biodegradable neurotoxin implants include a
neurotoxin, a biodegradable polymer component, and an acidity regulating
component. The biodegradable polymer component is effective in controlling
the release of the neurotoxin from the implant when the implant is located in a
10 patient's body. The acidity regulating component is effective in maintaining a
pH of the implant in a desired range that may be effective in stabilizing the
neurotoxin as the implant biodegrades when the implant is located in a patient's
body. In one embodiment, an implant includes a botulinum toxin, a
biodegradable polymer, and either monomers from which a biodegradable
15 polymer is derived or oligomers including monomeric units substantially
identical to a monomer from which a biodegradable polymer is derived, or a
combination of such monomers and oligomers. The oligomers and
biodegradable polymer may be derived from a single type of monomer. The
implants disclosed herein may be administered to a human or animal patient in
20 which a therapeutic effect is desired for prolonged periods of time.